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<b>Date:</b> October 13, 2005	<b>Phone Number</b>	<b>Fax Number</b>
<b>To:</b> Board of Patent Appeals		(571) 273-8300
<b>From:</b> Kevin J. Zilka		

**Docket No.:** NAIIP275/01.014.01

**App. No: 09/921,543**

**Total Number of Pages Being Transmitted, Including Cover Sheet: 31**

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P. 2

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**Practitioner's Docket No. NAI1P275/01.014.01**

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: C. Vigue et al.

Application No.: 09/921,543

Group No.: 2131

Filed: 08/02/2001

Examiner: Henning, M.

For: SYSTEM AND METHOD FOR SECURE AND VERIFIED SHARING OF RESOURCES IN A  
PEER-TO-PEER NETWORK ENVIRONMENT

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**TRANSMITTAL OF APPEAL BRIEF  
(PATENT APPLICATION–37 C.F.R. § 41.37)**

1. Transmitted herewith is the APPEAL BRIEF in this application, with respect to the Notice of Appeal filed on September 13, 2005.
2. STATUS OF APPLICANT

This application is on behalf of other than a small entity.

**CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10\***

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Transmittal of Appeal Brief—page 1 of 2

**3. FEE FOR FILING APPEAL BRIEF**

Pursuant to 37 C.F.R. § 41.20(b)(2), the fee for filing the Appeal Brief is:

other than a small entity \$500.00

**Appeal Brief fee due \$500.00**

**4. EXTENSION OF TERM**

The proceedings herein are for a patent application and the provisions of 37 C.F.R. § 1.136 apply.

Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition and fee for extension of time.

**5. TOTAL FEE DUE**

The total fee due is:

Appeal brief fee \$500.00  
Extension fee (if any) \$0.00

**TOTAL FEE DUE \$500.00**

**6. FEE PAYMENT**

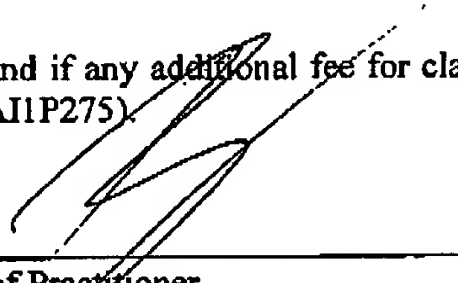
Authorization is hereby made to charge the amount of \$500.00 to Deposit Account No. 50-1351 (Order No. NAIIP275).

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**7. FEE DEFICIENCY**

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\_\_\_\_\_  
Signature of Practitioner  
Kevin J. Zilka  
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Transmittal of Appeal Brief--page 2 of 2

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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Vigue et al.

Application No. 09/921,543

Filed: August 2, 2001

For: SYSTEM AND METHOD FOR SECURE  
 AND VERIFIED SHARING OF RESOURCES  
 IN A PEER-TO-PEER NETWORK  
 ENVIRONMENT

)  
 )  
 ) Art Unit: 2131  
 )

) Examiner: Henning, Matthew T.  
 )

) Date: October 13, 2005  
 )

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

**ATTENTION: Board of Patent Appeals and Interferences**

**APPEAL BRIEF (37 C.F.R. § 41.37)**

This brief is in furtherance of the Notice of Appeal, filed in this case on September 13, 2005.

The fees required under § 1.17, and any required petition for extension of time for filing this brief and fees therefore, are dealt with in the accompanying TRANSMITTAL OF APPEAL BRIEF.

This brief contains these items under the following headings, and in the order set forth below (37 C.F.R. § 41.37(c)(i)):

- I REAL PARTY IN INTEREST
- II RELATED APPEALS AND INTERFERENCES
- III STATUS OF CLAIMS
- IV STATUS OF AMENDMENTS
- V SUMMARY OF CLAIMED SUBJECT MATTER
- VI GROUNDS OF REJECTION PRESENTED FOR REVIEW

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VII ARGUMENTS

VIII APPENDIX OF CLAIMS INVOLVED IN THE APPEAL

IX APPENDIX LISTING ANY EVIDENCE RELIED ON BY THE APPELLANT  
IN THE APPEAL

The final page of this brief bears the practitioner's signature.

**I REAL PARTY IN INTEREST (37 C.F.R. § 41.37(c)(1)(i))**

The real party in interest in this appeal is McAfee, Inc.

**II RELATED APPEALS AND INTERFERENCES (37 C.F.R. § 41.37(c) (1)(ii))**

With respect to other prior or pending appeals, interferences, or related judicial proceedings that will directly affect, or be directly affected by, or have a bearing on the Board's decision in the pending appeal, there are no other such appeals, interferences, or related judicial proceedings.

Since no such proceedings exist, no Related Proceedings Appendix is appended hereto.

**III STATUS OF CLAIMS (37 C.F.R. § 41.37(c) (1)(iii))****A. TOTAL NUMBER OF CLAIMS IN APPLICATION**

Claims in the application are: 1-11 and 13-25

**B. STATUS OF ALL THE CLAIMS IN APPLICATION**

1. Claims withdrawn from consideration: None
2. Claims pending: 1-11 and 13-25
3. Claims allowed: None
4. Claims rejected: 1-11 and 13-25

**C. CLAIMS ON APPEAL**

The claims on appeal are: 1-11 and 13-25

See additional status information in the Appendix of Claims.



**IV STATUS OF AMENDMENTS (37 C.F.R. § 41.37(c)(1)(iv))**

As to the status of any amendment filed subsequent to final rejection, an amendment was filed on August 03, 2005, but was not entered by the Examiner.

**V SUMMARY OF CLAIMED SUBJECT MATTER (37 C.F.R. § 41.37(c)(1)(v))**

With respect to a summary of Claim 1 et al., as shown in Figure 6, a method for securely sharing resources over a peer-to-peer network is provided. In use, a single request is broadcasted to a plurality of peers by a requesting peer for a resource over the peer-to-peer network where the request contains an identification of the resource and the resource identification contains a resource version identifier (e.g. item 202 of Figure 6). A response from a responding peer is then received on the peer-to-peer network indicating that the responding peer has the requested resource (e.g. item 204/206 of Figure 6). The requested resource is retrieved from the responding peer (e.g. item 208 of Figure 6). In addition, the retrieved resource is verified by ensuring the retrieved resource contains the version identifier embedded therein. Note page 15, line 12-page 16, line 3; page 17, lines 12-22; and page 22, lines 20-21, for example.

With respect to a summary of Claim 8, the above summary is incorporated, at least in part, by reference. Further, as shown in Figure 8, a product updating service for automatic and secure updating of a product installed at a node of a peer-to-peer network is provided. In use, a catalog containing a current listing of resources is automatically downloaded for the product at a predetermined time, where each resource is identified by a resource version identifier (e.g. item 242 of Figure 8). The listing of resources in the catalog is then compared with resources installed at the node to determine which resources are to be requested over the peer-to-peer network (e.g. item 244 of Figure 8). Each resource to be requested is requested in a separate transaction over the peer-to-peer network, where the request is made via a single broadcasted request to a plurality of peers. Each resource to be requested is retrieved in the peer-to-peer network and the Internet (e.g. item 246 of Figure 8) and is verified by ensuring the retrieved resource contains the version identifier embedded therein (e.g. item 248 of Figure 8). Note page 21, line 21-page 24, line 6, for example.

**VI GROUNDS OF REJECTION PRESENTED FOR REVIEW****(37 C.F.R. § 41.37(c)(1)(vi))**

Following, under each issue listed, is a concise statement setting forth the corresponding ground of rejection.

Issue #1: The Examiner has stated that Provisional Application Number 60/282,333 filed 4/9/2001 upon which priority is claimed fails to provide adequate support under 35 U.S.C. 112 for claims 2-3, 9-10, 13-14 and 16-17.

Issue #2: The Examiner has rejected Claims 13-14 under 35 U.S.C. 112, second paragraph as being indefinite.

Issue #3: The Examiner has rejected Claims 1, 4-7, 15 and 18-25 under 35 U.S.C. 103(a) as being unpatentable over Peng, U.S. Patent No. 6,317,754, in view of Delaney, U.S. Patent No. 6,374,289.

Issue #4: The Examiner has rejected Claims 2 and 16 under 35 U.S.C. 103(a) as being unpatentable over Peng, U.S. Patent No. 6,317,754, in view of Delaney, U.S. Patent No. 6,374,289, in further view of Shostack, U.S. Patent No. 6,298,445.

Issue #5: The Examiner has rejected Claims 3 and 17 under 35 U.S.C. 103(a) as being unpatentable over Peng, U.S. Patent No. 6,317,754, in view of Delaney, U.S. Patent No. 6,374,289, in further view of Shostack, U.S. Patent No. 6,298,445, in further view of Verisign (Verisign Gets US Approval for 128-bit Key Certificates Export).

Issue #6: The Examiner has rejected Claims 8 and 11 under 35 U.S.C. 103(a) as being unpatentable over Radatti, U.S. Patent Application Publication 2002/0170052, in view of Delaney, U.S. Patent No. 6,374,289.

Issue #7: The Examiner has rejected Claims 9 and 13 under 35 U.S.C. 103(a) as being unpatentable over Radatti, U.S. Patent Application Publication 2002/0170052, in view

of Delaney, U.S. Patent No. 6,374,289, in further view of Shostack, U.S. Patent No. 6,298,445.

Issue #8: The Examiner has rejected Claims 10 and 14 under 35 U.S.C. 103(a) as being unpatentable over Radatti, U.S. Patent Application Publication 2002/0170052, in view of Delaney, U.S. Patent No. 6,374,289, in further view of Shostack, U.S. Patent No. 6,298,445, in further view of Verisign (Verisign Gets US Approval for 128-bit Key Certificates Export).

**VII ARGUMENTS (37 C.F.R. § 41.37(c)(1)(vii))**

The claims of the groups noted below do not stand or fall together. In the present section, appellant explains why the claims of each group are believed to be separately patentable.

**Issue #1:**

The Examiner has stated that Provisional Application Number 60/282,333 filed 4/9/2001 upon which priority is claimed fails to provide adequate support under 35 U.S.C. 112 for claims 2-3, 9-10, 13-14 and 16-17.

Appellant respectfully disagrees with this assertion.

**Issue #2:**

The Examiner has rejected Claims 13-14 under 35 U.S.C. 112, second paragraph as being indefinite.

***Group #1: Claims 13 and 14***

Appellant respectfully asserts that such rejections would have been avoided in view of the clarifications made to the above rejected claims in the un-entered Amendment filed August 03, 2005.

**Issue #3:**

The Examiner has rejected Claims 1, 4-7, 15 and 18-25 under 35 U.S.C. 103(a) as being unpatentable over Peng, U.S. Patent No. 6,317,754, in view of Delaney, U.S. Patent No. 6,374,289.

***Group #1: Claims 1, 4, 5, 15, 18, 19 and 22-25***

To establish a *prima facie* case of obviousness, three basic criteria must be met. First, there must be some suggestion or motivation, either in the references themselves or in the knowledge generally available to one of ordinary skill in the art, to modify the reference or to combine reference teachings. Second, there must be a reasonable expectation of success. Finally, the prior art reference (or references when combined) must teach or suggest all the claim limitations. The teaching or suggestion to make the claimed combination and the reasonable expectation of success must both be found in the prior art and not based on appellant's disclosure. *In re Vaeck*, 947 F.2d 488, 20 USPQ2d 1438 (Fed.Cir.1991).

With respect to the first element of the *prima facie* case of obviousness and, in particular, the obviousness of combining the aforementioned references, the Examiner argues that it would have been obvious to employ the teachings of Delaney in the synchronization system of Peng by broadcasting the request for each object to a plurality of peers and receiving the requested object from one of the peers. To the contrary, appellant respectfully asserts that it would not have been obvious to combine the teachings of the Delaney and Peng references, especially in view of the vast evidence to the contrary.

Specifically, Peng relates to synchronizing servers, while Delaney relates to distributing data packages among peer clients. To simply glean features from a system for synchronizing servers, such as that of Peng, and combine the same with the *non-analogous art* of data package distribution among peer clients, such as that of Delaney, would simply be improper. Synchronizing servers, as in Peng, allows for a pair of servers to exchange data such that each resultant server contains the same data. On the other hand, distributing data packages among peer clients merely allows for data packages to be requested from peers to other peers where such other peers may respond to the request and only the requested data packages may be downloaded.

"In order to rely on a reference as a basis for rejection of an appellant's invention, the reference must either be in the field of appellant's endeavor or, if not, then be reasonably pertinent to the particular problem with which the inventor was

concerned." In re Oetiker, 977 F.2d 1443, 1446, 24 USPQ2d 1443, 1445 (Fed. Cir. 1992). See also In re Deminski, 796 F.2d 436, 230 USPQ 313 (Fed. Cir. 1986); In re Clay, 966 F.2d 656, 659, 23 USPQ2d 1058, 1060-61 (Fed. Cir. 1992) In view of the vastly different types of problems synchronizing servers address as opposed to distributing data packages among peer clients, the Examiner's proposed combination is inappropriate.

In the Advisory Action dated 8/17/2005, the Examiner has argued that both "Peng and Delany belong to the analogous art of data transfer to a device." The Examiner has further argued that simply because Peng and Delaney transfer data to devices in different manners does not classify them as non-analogous art. Appellant respectfully disagrees. In particular, synchronizing servers, as in Peng is not analogous to package distribution among a plurality of peer clients, as in Delaney. Clearly synchronizing servers does not allow for specific requests/broadcasts to be made as does peer distribution. In addition, synchronization requires a complete transfer of data such that the two systems being synchronized contain identical data as a result of the synchronization, whereas peer distribution allows for only a single requested piece of data to be transferred without requiring any additional transfers of data.

More importantly, with respect to the third element of the prima facie case of obviousness, the Examiner has relied on step 6a in Col. 6 of Peng to make a prior art showing of appellant's claimed technique of "verifying the retrieved resource by ensuring the retrieved resource contains the version identifier embedded therein" (see this or similar, but not identical language in each of the foregoing claims). Appellant notes that such excerpt in Peng merely teaches verifying that a received object "has a version identifier or time stamp older than or equal to the version vector of the corresponding object in the first [receiving] server."

However, such version identifier/time stamp is only verified by making sure it is newer than the version already contained at the receiving server, and is not verified to ensure it "contains the version identifier embedded therein," where the version

identifier is contained in a request for a resource by a requesting peer, in the context claimed by appellant.

In the Advisory Action dated 8/17/2005, the Examiner has further argued that Peng clearly discloses “if the received object or update has a version vector or time stamp older than or equal to the version vector of the corresponding object in the first server” and that the version vector is the version vector in the request disclosed in Col. 5, step 1 of Peng. Appellant notes that such excerpt clearly discloses that the version vector of the received object is verified for a second time. Specifically, Peng teaches that first, all objects are identified which exist in a second server, but not in a first server (Col. 5, step 3a). Then, version vectors of such objects are compared to determine if they are newer than version vectors in the first server (Col. 6, step 4). The first server then receives the objects with newer version vectors (Col. 6, step 6) and, after receiving such objects, the first server again compares the version vectors of the received objects with the version vectors of objects already present in the first server such that received objects with older version vectors are thrown away (Col. 6, step 6a).

Clearly, Peng teaches a first receiving server that compares version vectors two times, once before receiving objects and once after receiving the objects. Appellant, on the other hand, claims “verifying the retrieved resource by ensuring the retrieved resource contains the version identifier embedded therein” (emphasis added). Thus, appellant claims verifying a resource by ensuring the retrieved resource has the originally requested version identifier embedded therein, whereas Peng only teaches comparing versions vectors for a second time and taking any newer version, regardless of whether it was an originally requested resource. In this way, Peng does not allow for the receiver of the resource to be able to verify that a specifically requested resource is in fact the same resource received.

Appellant respectfully asserts that at least the first and third element of the *prima facie* case of obviousness have not been met, since it would be *unobvious* to combine the references, as noted above, and the prior art references, when combined, fail to teach or suggest all of the claim limitations, as noted above.



*Group #2: Claims 6 and 20*

The Examiner has relied on step 3 in Cols. 5-6 of Peng to make a prior art showing of appellant's claimed technique of "comparing the listing of resources with resources installed at the requesting peer to determine which resources are to be requested over the peer-to-peer network."

Appellant respectfully asserts that such excerpt merely relates to synchronizing two servers, and not "determin[ing] which resources are to be requested over the peer-to-peer network" (emphasis added).

In the Advisory Action dated 8/17/2005, it seems the Examiner has relied on paragraph [0064] and [0098] in Radatti to meet appellant's specific claim language. However, appellant notes that the Examiner did not reject Claim 6 et al. under the Radatti reference. Appellant again emphasizes that the Peng reference does not meet appellant's specific claim language for the reasons noted above.

Again, appellant respectfully asserts that at least the third element of the *prima facie* case of obviousness has not been met, since the prior art references, when combined, fail to teach or suggest all of the claim limitations, as noted above.

*Group #3: Claims 7 and 21*

The Examiner has relied on Col. 7, lines 13-18 in Delaney to make a prior art showing of appellant's claimed technique of "requesting each resource to be requested in a separate transaction such that each resource to be requested may be retrieved from a same or different responding peer."

Appellant notes however, that the excerpt relied on by the Examiner relates to a single data package. Appellant respectfully asserts that in fact, Delaney *teaches away* from appellant's claim language since Delaney discloses that "[o]ptionally and preferably, if more than one data package is desired, a list of requested data

packages is included in the request message rather than a single MD5 digest, in order to reduce the total number of request messages on the network" (see Col. 7, lines 22-25).

In the Advisory Action dated 8/17/2005, the Examiner has argued that one cannot show non-obviousness by attacking references individually where the rejections are based on combinations of references. However, appellant respectfully asserts that the excerpt from Delaney relied on by the Examiner simply does not meet appellant's specific claim language. In particular, appellant claims "requesting each resource to be requested in a separate transaction such that each resource to be requested may be retrieved from a same or different responding peer" (emphasis added). The excerpt in Delaney relied on by the Examiner simply relates to when a single data package is desired. However, Delaney further teaches that "if more than one data package is desired, a list of requested data packages is included in the request message rather than a single MD5 digest, in order to reduce the total number of request messages on the network" (see Col. 7, lines 22-25-emphasis added). Clearly, creating a list of requested data packages when more than one data package is desired, as taught by Delaney, does not meet appellant's specific claim language.

Again, appellant respectfully asserts that at least the third element of the *prima facie* case of obviousness has not been met, since the prior art references, when combined, fail to teach or suggest all of the claim limitations, as noted above.

Issue #4:

The Examiner has rejected Claims 2 and 16 under 35 U.S.C. 103(a) as being unpatentable over Peng, U.S. Patent No. 6,317,754, in view of Delaney, U.S. Patent No. 6,374,289, in further view of Shostack, U.S. Patent No. 6,298,445.

*Group #1: Claims 2 and 16*

Appellant respectfully asserts that such claims are not met by the prior art for the reasons argued above with respect to Issue #3, Group #1.

Again, appellant respectfully asserts that at least the third element of the *prima facie* case of obviousness has not been met, since the prior art references, when combined, fail to teach or suggest all of the claim limitations, as noted above.

Issue #5:

The Examiner has rejected Claims 3 and 17 under 35 U.S.C. 103(a) as being unpatentable over Peng, U.S. Patent No. 6,317,754, in view of Delaney, U.S. Patent No. 6,374,289, in further view of Shostack, U.S. Patent No. 6,298,445, in further view of Verisign (Verisign Gets US Approval for 128-bit Key Certificates Export).

*Group #1: Claims 3 and 17*

Appellant respectfully asserts that such claims are not met by the prior art for the reasons argued above with respect to Issue #3, Group #1.

Again, appellant respectfully asserts that at least the third element of the *prima facie* case of obviousness has not been met, since the prior art references, when combined, fail to teach or suggest all of the claim limitations, as noted above.

Issue #6:

The Examiner has rejected Claims 8 and 11 under 35 U.S.C. 103(a) as being unpatentable over Radatti, U.S. Patent Application Publication 2002/0170052, in view of Delaney, U.S. Patent No. 6,374,289.

*Group #1: Claims 8 and 11*

The Examiner has relied on paragraphs [0093-0094] in Radatti to make a prior art showing of appellant's claimed technique of "verifying each retrieved resource by ensuring the retrieved resource contains the version identifier embedded therein."

Appellant respectfully asserts that such excerpts in Radatti only teach determining if a "server target file hash does not match the client entry in the update\_index file." Appellant notes that Radatti, in fact, only teaches that the "update software obtains the update\_hash file from the server, which [is] compared to the client update\_hash file...[and if] another version of the software product is available, the hash is different, and the update program [proceeds] to download update\_index from the server" (see paragraph [0083]). Thus, update\_index is only downloaded if it is verified that the hash is different, and each retrieved resource is not verified in Radatti "by ensuring the retrieved resource contains the version identifier embedded therein," as claimed by appellant.

In the Advisory Action dated 8/17/2005, the Examiner has stated that paragraph [0003] in Radatti teaches that "version information in the received resource is hashed and compared with a hash of the version information of the server copy of the resource." Appellant respectfully disagrees. First, such excerpt from Radatti only teaches that when hash information is compared between a client and a server, such comparison can also be used to ensure file integrity on the client. However, nowhere in Radatti are retrieved resources verified, let alone in the specific context claimed by appellant. Second, file integrity is determined during comparison of hashes, and not for retrieved resources. Third, only the file integrity is determined in Radatti, and not whether a retrieved resource contains a requested version identifier embedded therein, in the manner claimed by appellant. Thus, clearly such excerpt does not meet appellant's specific claim language.

Again, appellant respectfully asserts that at least the third element of the *prima facie* case of obviousness has not been met, since the prior art references, when combined, fail to teach or suggest all of the claim limitations, as noted above.

Issue #7:

The Examiner has rejected Claims 9 and 13 under 35 U.S.C. 103(a) as being unpatentable over Radatti, U.S. Patent Application Publication 2002/0170052, in view

of Delaney, U.S. Patent No. 6,374,289, in further view of Shostack, U.S. Patent No. 6,298,445.

*Group #1: Claims 9 and 13*

Appellant respectfully asserts that such claims are not met by the prior art for the reasons argued above with respect to Issue #6, Group #1.

Again, appellant respectfully asserts that at least the third element of the *prima facie* case of obviousness has not been met, since the prior art references, when combined, fail to teach or suggest all of the claim limitations, as noted above.

Issue #8:

The Examiner has rejected Claims 10 and 14 under 35 U.S.C. 103(a) as being unpatentable over Radatti, U.S. Patent Application Publication 2002/0170052, in view of Delaney, U.S. Patent No. 6,374,289, in further view of Shostack, U.S. Patent No. 6,298,445, in further view of Verisign (Verisign Gets US Approval for 128-bit Key Certificates Export).

*Group #1: Claims 10 and 14*

Appellant respectfully asserts that such claims are not met by the prior art for the reasons argued above with respect to Issue #6, Group #1.

Again, appellant respectfully asserts that at least the third element of the *prima facie* case of obviousness has not been met, since the prior art references, when combined, fail to teach or suggest all of the claim limitations, as noted above.

In view of the remarks set forth hereinabove, all of the independent claims are deemed allowable, along with any claims depending therefrom.

**VIII APPENDIX OF CLAIMS (37 C.F.R. § 41.37(c)(1)(viii))**

The text of the claims involved in the appeal (along with associated status information) is set forth below:

1. (Previously Presented) A method for securely sharing resources over a peer-to-peer network, comprising:

broadcasting a single request to a plurality of peers by a requesting peer for a resource over the peer-to-peer network wherein the request contains an identification of the resource and the resource identification contains a resource version identifier;

receiving a response from a responding peer on the peer-to-peer network indicating that the responding peer has the requested resource;

retrieving the requested resource from the responding peer; and

verifying the retrieved resource by ensuring the retrieved resource contains the version identifier embedded therein.

2. (Original) The method for securely sharing resources over a peer-to-peer network of claim 1, wherein said verifying the retrieved resource further comprises verifying a digital signature of the retrieved resource to ensure integrity of the retrieved resource.

3. (Original) The method for securely sharing resources over a peer-to-peer network of claim 2, wherein said digital signature is a 1024-bit VeriSign digital certificate.

4. (Original) The method for securely sharing resources over a peer-to-peer network of claim 1, further comprising installing said resource.

5. (Original) The method for securely sharing resources over a peer-to-peer network of claim 1, further comprising retrieving a catalog containing a listing of resources.

6. (Original) The method for securely sharing resources over a peer-to-peer network of claim 5, further comprising comparing the listing of resources with resources installed at the requesting peer to determine which resources are to be requested over the peer-to-peer network.

7. (Original) The method for securely sharing resources over a peer-to-peer network of claim 6, further comprising requesting each resource to be requested in a separate transaction such that each resource to be requested may be retrieved from a same or different responding peer.

8. (Previously Presented) A product updating service for automatic and secure updating of a product installed at a node of a peer-to-peer network, comprising:

automatically downloading a catalog containing a current listing of resources for the product at a predetermined time, each resource being identified by a resource version identifier;

comparing the listing of resources in the catalog with resources installed at the node to determine which resources are to be requested over the peer-to-peer network;

requesting each resource to be requested in a separate transaction over the peer-to-peer network, the request being made via a single broadcasted request to a plurality of peers;

retrieving each resource to be requested in the peer-to-peer network and the Internet; and

verifying each retrieved resource by ensuring the retrieved resource contains the version identifier embedded therein.

9. (Original) The product updating service for automatic and secure updating of a product installed at a node of a peer-to-peer network of claim 8, wherein said verifying each retrieved resource further comprises verifying a digital signature of each retrieved resource to ensure integrity of the retrieved resource.

10. (Original) The product updating service for automatic and secure updating of a product installed at a node of a peer-to-peer network of claim 9, wherein said digital signature is a 1024-bit VeriSign digital certificate.

11. (Original) The product updating service for automatic and secure updating of a product installed at a node of a peer-to-peer network of claim 8, further comprising installing each of the retrieved resources.

12. (Cancelled)



13. (Original) The method for providing secure updating of the software product of claim 12, wherein each resource is digitally signed with a digital signature.

14. (Original) The method for providing secure updating of the software product of claim 13, wherein said digital signature is a 1024-bit VeriSign digital certificate.

15. (Previously Presented) A computer program product for securely sharing resources over a peer-to-peer network, comprising:

computer code that broadcasts a single request to a plurality of peers by a requesting peer for a resource over the peer-to-peer network wherein the request contains an identification of the resource and the resource identification contains a resource version identifier;

computer code that receives a response from a responding peer on the peer-to-peer network indicating that the responding peer has the requested resource;

computer code that retrieves the requested resource from the responding peer;

computer code that verifies the retrieved resource by ensuring the retrieved resource contains the version identifier embedded therein; and

a computer readable medium that stores said computer codes.

16. (Previously Presented) The computer program product for securely sharing resources over a peer-to-peer network of claim 15, wherein said computer

code that verifies the retrieved resource further comprises computer code that verifies a digital signature of the retrieved resource to ensure integrity of the retrieved resource.

17. (Previously Presented) The computer program product for securely sharing resources over a peer-to-peer network of claim 16, wherein said digital signature is a 1024-bit VeriSign digital certificate.

18. (Previously Presented) The computer program product for securely sharing resources over a peer-to-peer network of claim 15, further comprising computer code that installs said resource.

19. (Previously Presented) The computer program product for securely sharing resources over a peer-to-peer network of claim 15, further comprising computer code that retrieves a catalog containing a listing of resources.

20. (Previously Presented) The computer program product for securely sharing resources over a peer-to-peer network of claim 19, further comprising computer code that compares the listing of resources with resources installed at the requesting peer to determine which resources are to be requested over the peer-to-peer network.

21. (Previously Presented) The computer program product for securely sharing resources over a peer-to-peer network of claim 20, further comprising computer code that requests each resource to be requested in a separate transaction

such that each resource to be requested may be retrieved from a same or different responding peer.

22. (Previously Presented) The method for securely sharing resources over a peer-to-peer network of claim 1, wherein the responding peer scans a list of local aliased copies to determine if the responding peer has a local version of the requested resource.

23. (Previously Presented) The method for securely sharing resources over a peer-to-peer network of claim 1, wherein the responding peer waits a predetermined period of time before responding that the responding resource has the requested resource.

24. (Previously Presented) The method for securely sharing resources over a peer-to-peer network of claim 23, wherein the predetermined period of time is randomly generated between 0 and 2000 milliseconds.

25. (Previously Presented) The method for securely sharing resources over a peer-to-peer network of claim 1, wherein, after receiving the response, the requesting peer broadcasts a message to the plurality of peers that the requested resource has been found.

**IX APPENDIX LISTING ANY EVIDENCE RELIED ON BY THE APPELLANT  
IN THE APPEAL (37 C.F.R. § 41.37(c)(1)(ix))**

There is no such evidence.

In the event a telephone conversation would expedite the prosecution of this application, the Examiner may reach the undersigned at (408) 971-2573. For payment of any additional fees due in connection with the filing of this paper, the Commissioner is authorized to charge such fees to Deposit Account No. 50-1351 (Order No. NAI1P275\_01.014.01).

Respectfully submitted,

By: 

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